

FIG.1

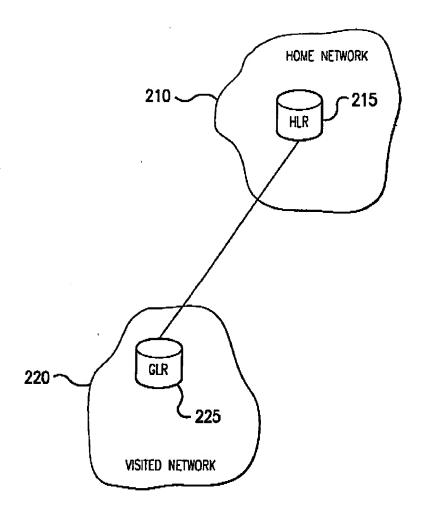


FIG.2

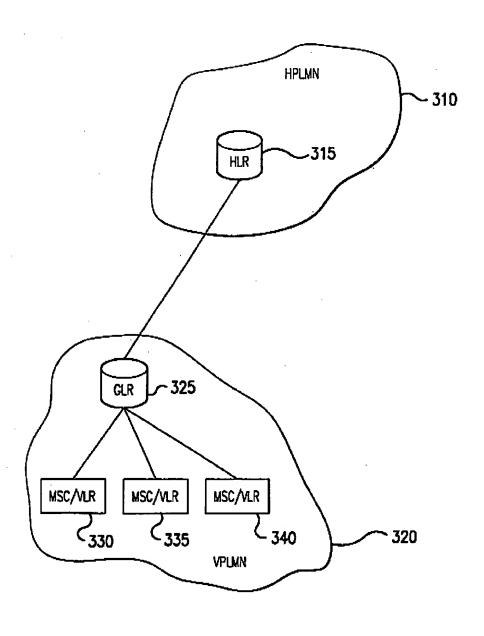


FIG.3

HLR LOADS CONTENTS OF 405 NON-VOLATILE MEMORY HLR SENDS MAP RESET TO VLRs BASED ON CONTENTS 410 OF NON-VOLATILE MEMORY VLR WAITS 415 -420 MOBILE SUBSCRIBER PERFORMS NO AUTHENTICATED RADIO CONTACT WITH VLR? YES VLR SENDS LOCATION 425 UPDATE MESSAGE TO HLR

FIG.4



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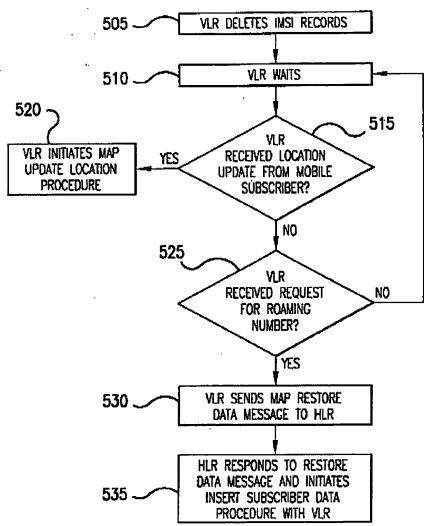


FIG.5

FIG.6

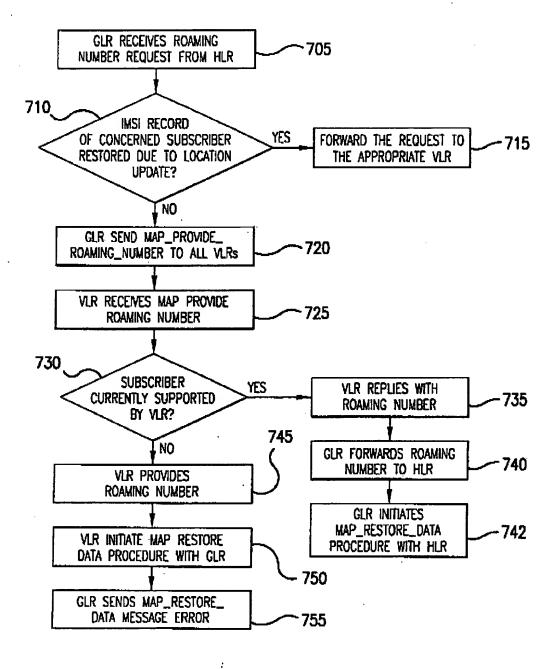


FIG.7

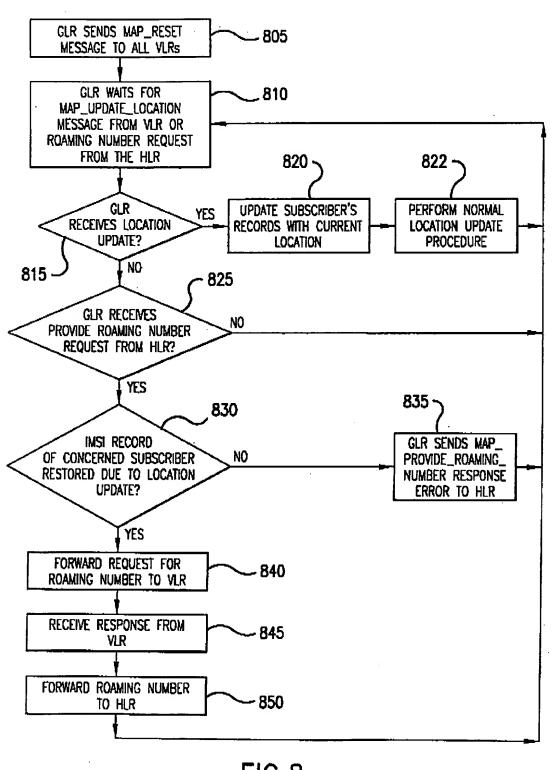


FIG.8

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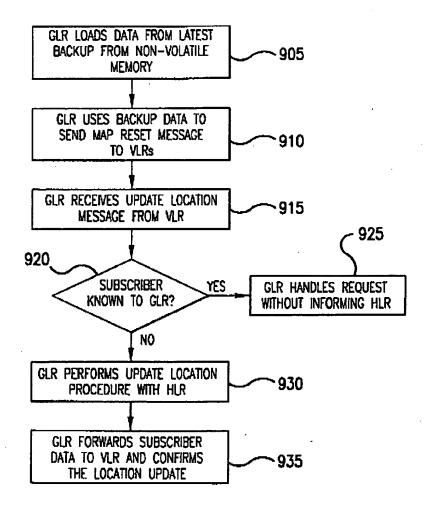


FIG.9

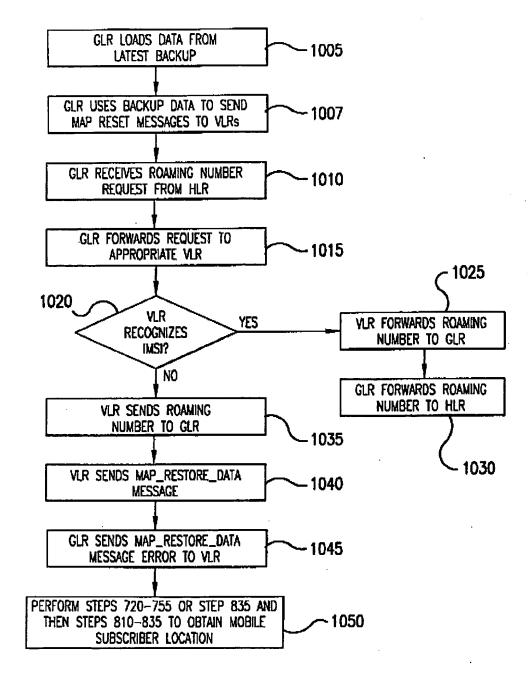


FIG.10